
DFIG AGENDA

#12

1-20-2014

Winter Break Recap

- Dr. Johnson gave us three documents to read
 - Line Differential Protection with an enhanced characteristic
 - Statistical Comparison and Evaluation of Pilot Protection Schemes
 - Distance Relay Element Design
- Any Other Work People Did

Beginning of Semester

- Tentative Work Plan
- Logbook Entry
- Will Normann be able to help set up 411L?
- Dr. Johnson will give a presentation next week

DFIG AGENDA

#13

1-27-2015

Weekly Recap

- Dr. Johnson will give a presentation today
- Debrief our tentative work plan
- Met with Mike B and discussed schedules
 - When to start working?
- Met with Dr. Johnson over the week and obtained ECE 526 differential relay lab
 - Could be a starting point for setting up the 411
- Worked on RSCAD model
 - Need to update for better runtime

Things To Do

- Design Review (2/3-14)
- Logbook due (2/17)

DFIG AGENDA

#15

2-11-2015

Weekly Recap

- Worked on RSCAD model
 - Changed new model to normann's specs
 - Changed our generator parameters to P.U and updated generator on RSCAD model
 - Implemented CT's and logic to communicate with the 311 on the rack
 - 311 isnt hooked up yet so we don't know if it works yet
- DESIGN REVIEW NEXT WEEK
 - Thursday 9:30am
- Tliras and Cody met up with mike
 - Making headway on the C code
 - Getting error for "needing input"
- Will meet up with Dr. Johnson to get a tour of the power lab tomorrow
- Will meet up with Alaap tomorrow (2/12) to hopefully hook up 311 to see if our configuration worked.

Things To Do

- **Logbook due (2/17)**
- Presentation in 591
- Need to get ready for design review
 - Technical presentation

DFIG AGENDA

2-25-2015

Weekly Recap

- Design Review Recap and Debrief
- RSCAD model
 - Doesn't want to sync to the grid
 - Worked with Dr. Johnson and Alaap on model
 - When disconnected from grid DFIG outputs 8kV (suppose to be 690V)
 - Found that constants in D&Q calculations might be the reason
- **CONTROLS UPDATE**
 - Got some code generated

Need to do

- E-mail Normann about RSCAD Model (ask if he wants our model at 690V or 208V as the power grid is 208V)
- Finish Expo documents
- What additional material do we need to send to Dr. Li for 591 presentation
- Need to create ppt for 591 presentation.

DFIG AGENDA

3/4/15

Weekly Recap

- RSCAD model
 - Had model Syncing to the grid when it was at old rated current
 - DFIG turns into a motor when current drops too low
 - Alaap will help us tonight
- Controls Update
- Began working on our 591 presentation
 - Mostly done

Need to do

- E-mail Normann about RSCAD Model (ask if he wants our model at 690V or 208V as the power grid is 208V)
- Send off expo documents?

DFIG AGENDA

3/11/15

Weekly Recap

- Presentation tomorrow 3:30pm Mccl 209
- Worked On RSCAD Model – Having Trouble duplicating constants
 - Capacitor Value
 - Current Tracking loop
 - P.300
 - Covert input currents to pu set parameters
 - Cant find his values
 - Vref?
 - Iqref to Iqref PU
 - P.277
- No Snapshot

Need to do

- Think about what we need to revise on our snapshot poster
- Keep preparing for presentation tomorrow
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DFIG AGENDA

3/25/15

Weekly Recap

- Updates from spring break
 - RSCAD model
 - Re-worked
 - Left rishabh's generator resistance/inductance values the same
 - Got the same results
 - Had meeting with Dr. Hess
 - Working on game plan
- Updates on Machine Controls?

Need to do

- 3/31 wiki page review
- 4/7 logbook review
- 4/21 general session
- 5/1 EXPO

DFIG AGENDA

4/01/15

Weekly Recap

- Had Wiki Page Review
 - Need to upload different file for DFIG agenda/minutes
- Obtained PIC Kit2 from Dr. Wall to interface microcontroller
 - Continuing to debug controls
- Still working on RSCAD Model
 - Getting closer
 - Problem is in VDC-VSC and gains for Gridside Current

Need to do

- Need to start thinking about final portfolio and poster
- **4/7 logbook review**
- 4/21 general session
- 5/1 EXPO

DFIG AGENDA

4/08/15

Weekly Recap

- Turned In Logbook?
- Controls Update?
 - Block coder?
 - Lots of Errors
- RSCAD update
 - Worked rotor side
 - Behaving well
 - Worked Stator side
 - Not behaving well
 - (PU values wont translate over well)
 - Down to 100A
 - Feed forward loop not operating right
 - Creating error in md&mq calculations

Need to do

- **Need to start thinking about final portfolio and poster**
- 4/21 general session
- 5/1 EXPO

DFIG AGENDA

4/15/15

Weekly Recap

- Turned In Logbook?
- Controls Update?
- RSCAD update
 - Done?
 - Verification?
 - Do we want a 208V model?
- 4/21 general session
- 5/1 EXPO

Need to do

FINAL DOCUMENTS

- RSCAD
 - 690V
 - 208V
- Microcontroller
 - Code
 - Any Code
- *Design Report*****
 - *Parcel Out sections*
 - Executive summary
 - Background
 - Problem Def
 - Project plan
 - Concepts considered
 - Concepts selection
 - System architecture
 - Future work
 - summary

Project Portfolio

- Update last stuff

Wikipage

- Change Agenda
- Upload waveforms

Project Poster

Work Area Check-out

- Do we need to?

DFIG AGENDA

4/22/15

Weekly Recap

- Controls Update
 - Any diagrams deciphered?
 - Need numerical method (FDTD) approach at DQ-ABC reference frame
 - We don't have a Analog-Digital converter?
- RSCAD Update
 - 690V model done
 - 208V model done
- Working on Poster Today (6pm?)
- Anyone look at final report?

Need to do

- FINAL DELIVEABLES
 - Final project
 - Hardware and software
 - Documented well
 - Design Report
 - Portfolio
 - Wiki-page
 - Poster

DFIG AGENDA

4/22/15

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Need to do

- FINAL DELIVEABLES
 - Final project
 - Hardware and software
 - Documented well
 - Design Report
 - Portfolio
 - Wiki-page
 - Poster

DFIG AGENDA

5/6/2015

Weekly Recap

- EXPO
- Working on Technical Report

Need to do

- FINAL DELIVEABLES!
- Turn In Everything Saturday?
- Logbooks
- Wikipage